BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Estimate Cost Rs. 6.02 Lakhs

Name of Work:-Construction of concrete drains and concrete roads at Basavalingappa Layout in Attur ward no-03.

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications. MORTH chapter 3. No. 138/ Item No. 19.1/ PWD SR 2015-16	Cum							
	Desilting ofdrains:-		2	90.00	0.55	0.45	44.55		
	Berm cutting		2	90.00	0.60	0.35	37.80		
	Road levelling		1	30.00	5.00	0.60	90.00		
							172.35	83.16	14333.00
	Basic Rate	77.00							
	Area Weightage @ 8%	6.16							
	Total	83.16							
2	KSRB 2-2.2 : Earth work excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m , in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m. specification, specification. No. KBS 2.1(b)/ 2.3.5, No. 5/ Item No. 2.4/ PWD SR 2015-16	Cum							
	Culverts		1	9.00	2.10	0.90	17.01		
			2	6.50	2.10	0.90	24.57		
							41.58	288.36	11990.00
	Basic rate	267.00							
	Add 8% AW	21.36							
	Total	288.36							

3	KSRB 4-1.3:Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @0.57cum machine mixed,machine mixed,concrete laid in layers not exeeding 15cms.thick, well compacted in foundation,including cost of all materials,labour,HOM of machinery,curing complete as per specifications.Specification no KBS4.1,4.2(Item no 4.3,Page no12,PWD SR 2015 16)	Cum							
	CC Road		1	30.00	5.00	0.15	22.50		
	Culverts		1	9.00	2.10	0.15	2.84		
			2	6.50	2.10	0.15	4.10		
							29.43	5070.60	149228.00
	Basic rate	4695.00							
	Add 8% AW	375.60							
	Total	5070.60							
4	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation cement mortar 1:6, stone hammered dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specification. KBS 5.1.13 (P.23/5.6)	Cum							
	Culverts Foundations		2	9.00	0.60	0.40	4.32		
			4	6.50	0.60	0.40	6.24		
							10.56	4135.32	43669.00
	Basic Rate	3829.00							
	Area Weightage @ 8%	306.32							
	Total	4135.32							
5	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 (P.23/5.9)	Cum							
	Basement		2	9.00	0.50	0.45	4.05		
			4	6.50	0.50	0.45	5.85		
							9.90	4905.36	48563.00
	Basic Rate	4542.00							
	Area Weightage @ 8%	363.36							
	Total	4905.36							

6	KSRB 15.1.3: Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. Page No. 109/ Item No. 15.3 / PWD SR 2015-16	Sqm							
	Basement inside walls		2	9.00		0.60	10.80		
			4	6.50		0.60	15.60		
							26.40	99.36	2623.00
	Basic rate	92.00							
	Add 8% AW	7.36							
	Total	99.36							
7	KSRB 4.2.2 : Providing and laying in position Reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @0.460cum with superplastesisre @ 3lts conforming etc as per specification&direction of the engineer incharge of work (pwd sr2015-16,p.no13,sno4.11)	Cum							
	Covering slab		1	8.00	1.20	0.25	2.40		
			2	6.00	1.20	0.25	3.60		
							6.00	6198.12	37189.00
	Basic rate	5739.00							
	Add 8% AW	459.12							
	Total	6198.12							
8	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per specifications.Specification noKBS 4.6.3,TMT bars Fe55 0(pwd sr2015-16,p.no17,s.no4.46)	Tonne,s							
	For culverts:-.11Tonne,s / cum						0.66		
							0.66	70509.96	46537.00
	Basic rate	65287.00							
	Add 8% AW	5222.96							
	Total	70509.96							
9	KSRB M2200-5.11.Design mix M20 with OPC cement @320 kgs,with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @0.460cum with superplastesisre @ 3lts conforming to IS9103-1999 Reaffirmed-2008.etc as per specification&direction of the engineer incharge of work (pwd sr2015-16,p.no216,sno28.7.9)	Cum							
	CC Road		1	30.00	5.00	0.125	18.75		
	Basement coping concrete:-		2	9.00	0.45	0.10	0.81		

			4	6.50	0.45	0.10	1.17		
	Vent concrete:-		1	9.00	0.55	0.20	0.99		
			2	6.50	0.55	0.20	1.43		
	Approaches		2	8.00	0.60	0.15	1.44		
							24.59	6732.72	165558.00
	Basic Rate	6234.00							
	Area Weightage @ 8%	498.72							
	Total	6732.72							
10	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator,HOM of machinery screed vibratory,power floater,blade and disk etc,,with all lead and lift etc as per specifications .(P.NO171/22.7)	Sqm							
	CC Road		1	30.00	5.00		150.00		
							150.00	97.20	14580.00
	Basic Rate	90.00							
	Area Weightage @ 8%	7.20							
	Total	97.20							
11	Providing groove cutting for width of 5mm to 10mm and depth 80mm-100mm including cost of cutting machine,generator&HOM of machinery,including cost of blade,coolant etc as per specifications as per specifications.(p.no172/22.80)	Rmtr							
	CC Road		4	5.00			20.00		
							20.00	124.20	2484.00
	Basic Rate	115.00							
	Area Weightage @ 8%	9.20							
	Total	124.20							
12	KSRRB M100-1 Loading and un loading of stone boulder/Stone aggregates/sand/kanker/Moorum.KSRRB M100-1:Placing tipper at loading point,loading with front end loader, dumping, turning for return trip,excluding time for haulage and return trip complete as per specifications(Item no17.1,Page no 130, PWD SR 2015-16)	Cum							
							Vide Item No. 1+2	213.93	68.04	14556.00
	Basic rate	63.00							
	Add 8% AW	5.04							
	Total	68.04							
								TOTAL	551310.00
								KRIDL supervision Charges 8%	44105.00
								Quality Control Charges 1%	5513.00

14	Miscellaneous and unforcean charges	L/S								941.00
									Grand Total Rs	602000.00
	(Rupees Six lakh two thousand only)									

CERTIFICATE

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per C.S.R. of 2015-16 and Approved Rates.
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer
Ward no-03

Executive Engineer
Bruhat Bangalore Mahanagara Palike

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike

Administrative Sanction for Rs. 6.02 lacks
Six lakhs & Two Thousand only
is accorded under head P. 1878. — 2015-16

Registered as CE No. ...
to conditions contained in ...
No. CE/YNKPA/29/16-17 4-1-17

Executive Engineer

TECHNICALLY SANCTIONED FOR Rs. 6.02 lacks
Rupees Six lakhs & Two Thousand only
Under P. 1878. 2015-16

Registered as CE ( ) No. 99
Subject to conditions contained in enclosed memo CE ( ) No. /9/
Dt. ... sanctioned
CE/YNK/TS/29/16-17
Dated 4-1-2017 Rs. 6.02 lacks

Executive Engineer

Name of works:- Construction of Concrete drains and Concrete roads at Basavalingappa Layout in Attur ward no-03